



PTO/SB/08A (Modified)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	09/669,877 #6.
Filing Date	September 27, 2000
First Named Inventor	Mills
Group Art Unit	1754
Examiner Name	Langel
Attorney Docket Number	62-231-1EL

Sheet	1	of	8
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
WAL		3,235,884		Jung, et al	05-31-1966	
WAL		4,155,712		Taschek	05-22-1979	
WAL		4,337,126		Gilligan III, et al	06-29-1982	
WAL		4,353,871		Bartlett, et al	10-12-1982	
WAL		4,702,894		Cornish	10-27-1987	
WAL		4,808,286		Angelo II	02-28-1989	
WAL		5,215,729		Buxbaum	06-01-1993	
WAL		5,318,675		Patterson	06-07-1994	
WAL		5,372,688		Patterson	12-13-1994	
WAL		5,593,640		Long, et al	01-14-1997	
WAL		5,789,744		Spence, et al	08-04-1998	
WAL		6,024,935		Mills, et al	02-15-2000	

RECEIVED
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TC 1700**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
WAL		GB	2 343 291		Lloyd Wise, Tregear & Co.	05-13-2000		

Examiner Signature	Wayne Langel	Date Considered	8-22-02
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08B (Modified)

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/669,887		
		Filing Date	September 27, 2000		
		First Named Inventor	Mills		
		Group Art Unit	Unknown 175 1/2 8 2002		
		Examiner Name	Unassigned LG 1700		
Sheet	2	of	8	Attorney Docket Number	62-231-1EL

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WAL		Abelès, Ed. Chapter 9, "Structure of Trapped Electron and Trapped Hole Centers in Alkali Halides 'Color Centers'." <i>Optical Properties of Solids</i> , 1972, pp. 718-754. (no month)	
WAL		Alger et al. "F Centers in Pure and Hydride-Containing Alkali Halide crystals." <i>Physical Review</i> , Vol 97, January 15, 1955, pp. 277-287.	
WAL		Arfken. "Mathematical Methods for Physicists." <i>Academic Press</i> , 1970, pp. 413-415. (no month)	
WAL		Baard, Erik. "Researcher Claims Power Tech That Defies Quantum Theory." <i>Dow Jones Newswires</i> , Oct 6, 1999.	
WAL		Bäuerle et al. "Infrared Vibrational Absorption by U ₂ Centers in NaI." <i>Phys. Stat. Sol.</i> , Vol 24, 1967, pp. 207-215. (no month)	
WAL		Beiser, A. <i>Concepts of Modern Physics</i> , Fourth Edition, McGraw-Hill Book Company, New York, 1978, p. 407. (no month)	
WAL		Bethe, et. al. "Quantum Mechanics of One and Two-Electron Atoms." <i>Cornell University</i> , 1977, pp. 2, 9-12, 47, 83-84, 92, 107. (no month)	
WAL		Boniface, et. al. "Calorimetry for a Ni/K ₂ CO ₃ Cell." AECL Research, June 1994.	
WAL		Bradford. "A Calorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994.	
WAL		Clark, et. al. "Excess Energy Cell Final Report." April 1995.	
WAL		Delbecq et al. "Pragmatic Resonance Investigation of Irradiated KCl Crystals Containing U-Centers." <i>Phys. Rev.</i> , Vol 104, Nov 1, 1956, pp. 599-604.	

Examiner Signature	Wayne Langsd	Date Considered	8-22-02
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		Filing Date	September 27, 2000		
		First Named Inventor	Mills		
		Group Art Unit	Unknown 175 MAR 2002		
		Examiner Name	Unassigned Lange TC 1700		
Sheet	3	of	8	Attorney Docket Number	62-231-1EL

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

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WAL		Dötsch et al. "Localized Vibrations of H ⁺ and D ⁺ Ions in NaF and LiF," <i>Solid States Communications</i> , Vol 3, 1965, pp. 297-298. (no month)	
WAL		Durr, et. al. "Origin of quantum-mechanical complementarity probed by a 'which-way' experiment in an atom interferometer." <i>Nature</i> , Vol 395, September 3, 1998, pp. 33-37.	
WAL		Evans, et. al. "Time-of-Flight Secondary Ion Mass Spectroscopy (TOF-SIMS) Surface Analysis Report." CE & A Number 40150, March 1994.	
WAL		Evans, et. al. "XPS/ESCA Results." CE & A Number 44545, Nov 1994.	
WAL		Feynman, et al. "The Feynman Lectures of Physics: Quantum Mechanics." 1965. (no month)	
WAL		Fine, Arthur. "The Shaky Game: Einstein Realism and the Quantum Theory." <i>The University of Chicago Press</i> , 1986, pp.64-85. (no month)	
WAL		Fischer. "Die optische Absorption der U ₂ -Zentren in Alkalihalogenidkristallen", <i>Zeitschrift für Physik</i> , Vol 131, 1952, pp. 488-504. (no month)	
WAL		Fischer et al. "Sh ⁻ , S ⁻ Und S ⁻ Zentren In KC1-Kristallen." <i>Physics Letters</i> , Vol 13, Oct. 27, 1964, pp. 113-114.	
WAL		Fried et al. "Solution for the Two-Electron Correlation Function in a Plasma." <i>The Physical Review</i> , Vol 122, Apr. 1, 1961, pp. 1-8.	
WAL		Fritz. "Anionlücken und Zwischengitterionen in Alkalihalogenid-Alkalihydrid-Mischkristallen." <i>J. Phys. Chem. Solids</i> , Vol 23, 1962, pp. 375-394. (no month)	
WAL		Fuchs and Peres. "Quantum Theory Needs No 'Interpretation'." <i>Physics Today</i> , March 2000, p. 70.	

Examiner Signature	Wayne A. Lange	Date Considered	8-22-02
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		Group Art Unit	Unknown		
Sheet	4	of	8	Examiner Name	Unassigned
				Attorney Docket Number	62-231-1EL

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WAL		Gernert, et. al. "Anomalous Heat From Atomic Hydrogen in Contact with Potassium Carbonate." Thermacore, Inc. (no month)	
WAL		Hansen, et. al. "A response to hydrogen +oxygen recombination and related heat generation in undivided electrolysis cells." J. of Electroanalytical Chemistry, Vol 447, 1998, pp. 225-226. (no month)	
WAL		Haus. "On the radiation from point charges." American Journal of Physics, Vol 54, No 12, December 1986. Pp. 1126-1129.	
WAL		Hayashi, Shigenobu. "Accurate determination of ¹ H Knight shifts in Mg ₂ NiH _x and MgH _x by means of high-speed magic angle spinning." Journal of Alloys and Compounds, Vol 248, 1997, pp. 66-69. (no month)	
WAL		Hayashi, et. al. " ¹ H NMR and magnetization measurements of a nanostructured composite material of the Mg ₂ Ni-H system synthesized by reactive mechanical grinding." Journal of Alloys and Compounds, Vol 256, 1997, pp. 159-165. (no month)	
WAL		Hayashi, et. al. "Local structures and hydrogen dynamics in amorphous and nanostructured Mg-Ni-H systems as studied by ¹ H and ² H nuclear magnetic resonance." (no date)	
WAL		Heisenberg, W. "Über den anschaulichen Inhalt der quantentheoretischen Kinematik und Mechanik." Zeitschrift für Physik, Vol 43, 1927, pp. 172-198. (no month)	
WAL		Heitler, W. "The Quantum Theory of Radiation." University of Zürich, 1984, pp. 104. (no month)	
WAL		Hilsch. "Eine neue Lichtabsorption in Alkalihalogenidkristalle." Fachgruppe II, pp. 322-328. (no date)	
WAL		Hilsch. "Über die Diffusion und Reaktion von Wassestoff in KBr-Kristallen." Annalen der Physik, Vol 40, 1937, pp. 407-720. (no month)	

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WAL		Jackson, John David. "Classical Electrodynamics." <i>University of California</i> , Berkley, 1975, Ch. 14. (no month)	
WAL		Jacox, et. al. "INEL XPS Report." Idaho National Engineering Laboratory, EG & G. (no date)	
WAL		Jansson. "Hydrocatalysis:: A New Energy Paradigm for the 21 st Century." A Thesis, Master of Science in Engineering Degree in the Graduate Division of Rowan University, May 1997.	
WAL		Jeffreys, et al. "Methods of Mathematical Physics." <i>Cambridge</i> , 1950, pp.618. (no month)	
WAL		Karaplus and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 567. (no month)	
WAL		Keefer, Ph.D., "Interim Report on BlackLight Power Technology: Its Apparent Scientific Basis, State of Development and Suitability for Commercialization by Liebert Corporation." (no date)	
WAL		Kerkhoff. "Zum photochemischen Verhalten sauerstoffhaltiger Komplexe in Alkalihalogenidkristalle." <i>Zeitschrift für Physik</i> , Vol 158, 1960, pp.595-606. (no month)	
WAL		Kerkhoff et al. "Electronenspin-Resonanz und Photochemie des U ₂ -Zentrums in Alkalihalogenid-Kristallen." <i>Zeitschrift für Physik</i> , Vol 173, 1963, pp.184-202. (no month)	
WAL		Kleinschrod. "Photochemische Zersetzung von KH und KD in KBr-Kristallen." <i>Ausgegeben</i> , Jan. 5, 1939, pp. 143-148.	
WAL		Kleppner, et. al. "One Hundred Years of Quantum Physics." <i>SCIENCE</i> , Vol 289, Aug 2000, pp. 893-898.	

Examiner Signature	Wayne A. Sangel	Date Considered	8-22-02
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		Filing Date	September 27, 2000		
		First Named Inventor	Mills		
		Group Art Unit	Unknown		
Examiner Name	Unassigned				
Sheet	6	of	8	Attorney Docket Number	62-231-1EL

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WAL		Kline-Anderson, Inc. "Review of Schedule and Resource Requirements to Develop a Hydrocatalysis Functional Prototype Unit." Final Report for Technology Insights, Inc. (no date)	
WAL		Kolos, et. al. "Accurate Adiabatic Treatment of the Ground State of the Hydrogen Molecule*." <i>Journal of Chemical Physics</i> , Vol 41, No 12, Dec 1964, pp. 3663-3673.	
WAL		Kolos, et. al. "Accurate Electronic Wave Functions for the H ₂ Molecule*." <i>Reviews of Modern Physics</i> , Vol 32, No 2, April 1960, pp. 219-232.	
WAL		Kolos, et. al. "Improved Theoretical Ground-State Energy of the Hydrogen Molecule*." <i>Journal of Chemical Physics</i> , Vol 49, No 1, July 1968, pp. 404-410.	
WAL		Kurtz, et. al. "Report on Calometric Investigations of Gas-Phase Catalyzed Hydrino Formation." Hydrocatalysis Power Corp. Report, December 1996.	
WAL		Lüpke. "Über Sensibilisierung der photochemischen Wirkung in Alkalihalogenidkristallen." <i>Annalen der Physik</i> , Vol 21, 1934, pp. 1-14. (no month)	
WAL		Lüty. "Über Die Natur Der V ₃ -Zentren In Strahlungsverfärbtem KCCl." <i>J. Phys. Chem. Solids</i> , Vol 23, 1962, pp. 677-681. (no month)	
WAL		Margenau, et. al. "The Mathematics of Physics and Chemistry." <i>Yale University</i> , 1943, pp. 77-79. (no month)	
WAL		Martienssen. "Photochemische Vorgänge in Alkalihalogenidkristallen." <i>Zeitschrift für Physik</i> , Vol 131, 1952, pp. 488-504. (no month)	
WAL		Merzbacher, Eugen. "Quantum Mechanics." 1961, p. 198. (no month)	
WAL		Messiah, Albert. "Quantum Mechanics." <i>Rutgers-The State University</i> , Vol 1, 1958, p. 130. (no month)	

Examiner Signature	Wayne A. Langel	Date Considered	8-22-02
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Application Number	09/669,887
Filing Date	September 27, 2000
First Named Inventor	Mills
Group Art Unit	Unknown
Examiner Name	Unassigned
Attorney Docket Number	62-231-1ELC 1700

Sheet

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of

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OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

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WAL		Mills. "Novel Hydrogen Compounds from a Potassium Carbonate Electrolytic Cell." <i>Fusion Technology</i> . Vol 37, March 2000, pp. 157-182.	
WAL		Mills. "Novel inorganic hydride." <i>International Journal of Hydrogen Energy</i> , Vol 25, 2000, pp. 669-683. (no month)	
WAL		Mills, et. al. "Synthesis and characterization of potassium iodo hydride." <i>International Journal of Hydrogen Energy</i> , Vol 25, 2000, pp. 1185-1203. (no month)	
WAL		Morse, et. al. "Methods of Theoretical Physics." <i>Massachusetts Institute of Technology</i> , Part 1: Chapters 1-8, 1953, pp. 808-903. (no month)	
WAL		Myers, et. al. "Search for Cold Fusion at D/Pd > 1 Using Ion Implantation." <i>Journal of Fusion Energy</i> , Vol 9, No 3, pp. 30-37, 1990. (no month)	
WAL		Park, Robert L. "Perpetual Motion: Still Going Around." <i>Washington Post</i> , January 12, 2000, pg H03.	
WAL		Pauling, et. al. "Introduction to Quantum Mechanics with Applications to Chemistry." <i>Harvard University</i> , 1985, pp. 121-140. (no month)	
WAL		Peterson. "Evaluation of Heat Production from Light Water Electrolysis Cell of Hydrocatalysis Power Corporation." Draft, <i>Westinghouse STC</i> , Feb 1994.	
WAL		Phillips, et. al. "Additional Calorimetric Examples of Anomalous Heat From Physical Mixture of K/Carbon and PD/Carbon." Consulting Report, Jan 1996.	
WAL		Platt, Charles. "Testing the Current." <i>Washington Post</i> . June 25, 2000, pg X05.	
WAL		Popov. "Electrochemical Characterization of BlackLight Power, Inc. MH as Electrodes for Li-ion Batteries." Department of Chemical Engineering University of South Carolina, Feb 2000.	

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Examiner Name	Unassigned
Attorney Docket Number	62-231-1EL

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WAL		Rauch et al. "Some F-Band Optical Oscillator Strengths in Additively Colored Alkali Halides." <i>Physical Review</i> , Feb 1, 1957, Vol 105, pp. 914-920.	
WAL		Scheerer et al. "Microwave Saturation of Paraelectric-Resonance Transitions of OH ⁻ Ions in KCl." <i>Solid State Communications</i> , Vol 4, 1966, pp. 639-642. (no month)	
WAL		Schiff, Leonard I. "Quantum Mechanics." <i>Stanford University</i> , 1968, pp. 1, 7-8, 10-12, 21, 54-57, 60-61, 81-82, 101, 527. (no month)	
WAL		Schrieder, et. al. "Search for Cold Nuclear Fusion in Palladium-Deuterium." <i>Z. Phys. B-Condensed Matter</i> , Vol 76, No 2, 1989, pp. 141-142. (no month)	
WAL		Technology Insights. "Draft: Hydrocatalysis Technical Assessment." PACIFICORP, Aug 1996.	
WAL		Thermacore, Inc. "SBIR Phase I Nascent Hydrogen: An Energy Source." Final Report, March 1994.	
WAL		Thomas. "Zur Photocjemie des KH-KBR-Mischkristalles." <i>Annalen der Physik</i> , Vol 38, 1940, pp. 601-608. (no month)	
WAL		Thorne, et. al. "Recombination during the Electrolysis of Light Water in 0.6 M K ₂ CO ₃ Can It Account for the Reports of Excess Heat?" <i>Departments of Physics and Chemistry, Brigham Young University</i> , June 1993.	
WAL		Tolman, Richard C. "The Principles of Statistical Mechanics." <i>California Institute of Technology</i> , 1979, pp. 180-188. (no month)	
WAL		Weisskopf, V.F. "Recent developments in the theory of the electron." <i>Reviews of Modern Physics</i> , Vol 21, No 2, 1949, pp. 305-315. (no month)	
WAL		Wheeler, et. al. "Quantum Theory and Measurement." Translation of Heisenburg's Uncertainty Principle Paper, <i>Zeitschrift für Physik</i> , 1927, Vol 43, pp. 172-198. (no month)	

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				Filing Date	September 29, 2000
				First Named Inventor	Mills
				Group Art Unit	1754
				Examiner Name	Langel
Sheet	2	of	2	Attorney Docket Number	62-226-1EL

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OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
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WAL	✓	Barton, et al, "Investigating Radio Frequency Plasmas Used for the modification of Polymer Surfaces." <i>J. Phys. Chem. B</i> , Vol 103, 1999, pp. 4423-4430. (no month)	
WAL	✓	Bogaerts, et al. "Effects of adding hydrogen to an argon glow discharge: overview of relevant processes and some qualitative explanations." <i>Journal of Analytical Atomic Spectrometry</i> , March 2000.	
WAL	✓	Dery, et al. "Effect of Dielectric Constant, Cavities in Series and Cavities in Parallel on the Product Distribution of the Oligomerization of Methane via Microwave Plasmas." <i>J. Phys. Chem.</i> , Vol 100, 1996, pp. 17866-17872. (no month)	
WAL	✓	Roberts, et al. "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge." <i>J. Appl. Phys.</i> , Vol 74, No 11, December 1993.	
WAL	✓	Videnovic, et al. "Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge." <i>Spectrochimica Acta Part B</i> , Vol 51, 1996, pp. 1707-1731. (no month)	

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